

Figure 1 (Prior Art)

12 14 16 18

20 10

Employee Name	Social Security #	Address	Salary
Johnson	100-10-1000	Minneapolis	50,000
Anderson	200-20-2000	Milwaukee	
Rodriguez	300-30-3000	Cleveland	30,000

Figure 2 (Prior Art)

42 40 44

46

Project Name	Project Size
Red	Large
Yellow	Medium
Green	Small

Figure 3 (Prior Art)

60 62 64

66

Project Name	Employee Name
Red	Johnson
Red	Anderson
Yellow	Rodriguez
Green	Rodriguez

Figure 4

102 100 104 106 108

O	E	A	V
Entity Instance Identifier	Entity Type Identifier	Attribute Type Identifier	Attribute Value

Figure 5

102 104 106 108

100

O	E	A	V
Object ID	Employee	Salary	50,000

Figure 6

O	E	A	V
101	1	Employee	Employee Name
	1	Employee	Social Security
	1	Employee	Address
	1	Employee	Salary
101	2	Employee	Employee Name
	2	Employee	Social Security
	2	Employee	Address
101	3	Employee	Employee Name
	3	Employee	Social Security
	3	Employee	Address
	3	Employee	Salary
101	20	Project	Project Name
	20	Project	Size
101	21	Project	Project Name
	21	Project	Size
101	22	Project	Project Name
	22	Project	Size
			100
			108
			106
			104
			102
			101

Figure 7

O	E	A	V
100	1	Employee	First Name
100	1	Employee	Spouse
100	1	Employee	Title
			President

Figure 8

O	E	A	V
1	Employee	Employee Name	Johnson
20	Project	Project Name	Red
1	Employee	Project	20

Figure 9

O	E	A	V
1	Employee	Employee Name	Johnson
20	Project	Project Name	Red
20	Project	Employee	1

Figure 10

O	E	A	V
1	Employee	Employee Name	Johnson
•	•	•	•
•	•	•	•
•	•	•	•
22	Project	Size	Small
1	Employee	Project	20
2	Employee	Project	20
3	Employee	Project	21
3	Employee	Project	22
20	Project	Employee	1
20	Project	Employee	2
21	Project	Employee	3
22	Project	Employee	3